



**Microsoft**

## **Exam Questions AI-102**

Designing and Implementing an Azure AI Solution

NEW QUESTION 1

- (Exam Topic 2)

You are building a chatbot that will provide information to users as shown in the following exhibit.

Passengers

Sarah Hum  
Jeremy Goldberg  
Evan Litvak

2 Stops

Tue, May 30, 2017 10:25 PM



Non-Stop

Fri, Jun 2, 2017 11:55 PM



Total \$4,032.54

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point.

Answer Area

The chatbot is showing [answer choice].

	▼
an Adaptive Card	
a Hero Card	
a Thumbnail Card	

The card includes [answer choice].

	▼
an action set	
an image	
an image group	
media	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: A Thumbnail card  
A Thumbnail card typically contains a single thumbnail image, some short text, and one or more buttons. Reference:  
<https://docs.microsoft.com/en-us/microsoftteams/platform/task-modules-and-cards/cards/cards-reference>

NEW QUESTION 2

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training. Find contacts in London. Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new intent for location.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**

An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

**NEW QUESTION 3**

- (Exam Topic 2)

You train a Custom Vision model used in a mobile app.

You receive 1,000 new images that do not have any associated data.

You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.

Which three actions should you perform in the Custom Vision portal? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions		Answer Area
Upload the images by category.		
Get suggested tags.		
Upload all the images.	⬅	⬆
Group the images locally into category folders.	➡	⬇
Review the suggestions and confirm the tags.		
Tag the images manually.		

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/getting-started-build-a-classifie>

**NEW QUESTION 4**

- (Exam Topic 2)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training. Find contacts in London. Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new pattern in the FindContact intent.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference: <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

**NEW QUESTION 5**

- (Exam Topic 2)

You build a custom Form Recognizer model.

You receive sample files to use for training the model as shown in the following table.

Name	Type	Size
File1	PDF	20 MB
File2	MP4	100 MB
File3	JPG	20 MB
File4	PDF	100 MB
File5	GIF	1 MB
File6	JPG	40 MB

Which three files can you use to train the model? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. File1
- B. File2
- C. File3
- D. File4
- E. File5
- F. File6

**Answer:** ACF

**Explanation:**

Input requirements

Form Recognizer works on input documents that meet these requirements:

Format must be JPG, PNG, PDF (text or scanned), or TIFF. Text-embedded PDFs are best because there's no possibility of error in character extraction and location.

File size must be less than 50 MB. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview>

#### NEW QUESTION 6

- (Exam Topic 2)

You have an existing Azure Cognitive Search service.

You have an Azure Blob storage account that contains millions of scanned documents stored as images and PDFs.

You need to make the scanned documents available to search as quickly as possible. What should you do?

- A. Split the data into multiple blob container
- B. Create a Cognitive Search service for each container
- C. Within each indexer definition, schedule the same runtime execution pattern.
- D. Split the data into multiple blob container
- E. Create an indexer for each container
- F. Increase the search unit
- G. Within each indexer definition, schedule a sequential execution pattern.
- H. Create a Cognitive Search service for each type of document.
- I. Split the data into multiple virtual folder
- J. Create an indexer for each folder
- K. Increase the search units. Within each indexer definition, schedule the same runtime execution pattern.

**Answer:** D

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-howto-indexing-azure-blob-storage>

#### NEW QUESTION 7

- (Exam Topic 2)

You are developing a call to the Face API. The call must find similar faces from an existing list named employeefaces. The employeefaces list contains 60,000 images.

How should you complete the body of the HTTP request? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Values

- "faceListId"
- "LargeFaceListId"
- "matchFace"
- "matchPerson"

#### Answer Area

```
{
  "faceId": "18c51a87-3a69-47a8-aedc-a54745f708a1",
  : "employeefaces",
  "maxNumOfCandidatesReturned": 1,
  "mode": 
}
```

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: LargeFaceListID

LargeFaceList: Add a face to a specified large face list, up to 1,000,000 faces.

Note: Given query face's faceld, to search the similar-looking faces from a faceld array, a face list or a large face list. A "faceListId" is created by FaceList - Create containing persistedFacelds that will not expire. And a "largeFaceListId" is created by LargeFaceList - Create containing persistedFacelds that will also not expire.

Reference:

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/findsimilar>

**NEW QUESTION 8**

- (Exam Topic 2)

You are creating an enrichment pipeline that will use Azure Cognitive Search. The knowledge store contains unstructured JSON data and scanned PDF documents that contain text.

Which projection type should you use for each data type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

JSON data:	<div><div></div><div>File projection</div><div>Object projection</div><div>Table projection</div></div>
Scanned data:	<div><div></div><div>File projection</div><div>Object projection</div><div>Table projection</div></div>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Object projection

Object projections are JSON representations of the enrichment tree that can be sourced from any node. Box 2: File projection

File projections are similar to object projections and only act on the normalized\_images collection. Reference:

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview>

**NEW QUESTION 9**

- (Exam Topic 2)

You successfully run the following HTTP request. POST

[https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/pro](https://management.azure.com/subscriptions/18c51a87-3a69-47a8-aedc-a54745f708a1/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/acc1/regenerateKey)

Body{"keyName": "Key2"} What is the result of the request?

- A. A key for Azure Cognitive Services was generated in Azure Key Vault.
- B. A new query key was generated.
- C. The primary subscription key and the secondary subscription key were rotated.
- D. The secondary subscription key was reset.

**Answer:** B

**Explanation:**

Accounts - Regenerate Key regenerates the specified account key for the specified Cognitive Services account. Syntax:

POST [https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

[providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18](https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18)

Reference:

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regeneratekey>

**NEW QUESTION 10**

- (Exam Topic 2)

You need to create a new resource that will be used to perform sentiment analysis and optical character recognition (OCR). The solution must meet the following requirements:

- Use a single key and endpoint to access multiple services.
- Consolidate billing for future services that you might use.
- Support the use of Computer Vision in the future.

How should you complete the HTTP request to create the new resource? To answer, select the appropriate options in the answer area.



NOTE: Each correct selection is worth one point.

### Answer Area

▼

PATCH

POST

PUT

https://management.azure.com/subscriptions/xxxxxxx-xxxx-

xxxx-xxxx-

xxxxxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/accounts/CS1?api-version=2017-04-18

{

"location": "West US",

"kind": "

▼

CognitiveServices

ComputerVision

TextAnalytics

",

"sku": {

"name": "S0"

,

"properties": {},

"identity": {

"type": "SystemAssigned"

}

}

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Box 1: PUT

Sample Request: PUT

<https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/test-rg>

Reference:

<https://docs.microsoft.com/en-us/rest/api/deviceupdate/resourcemanager/accounts/create> <https://www.analyticsvidhya.com/blog/2020/12/microsoft-azure-cognitive-services-api-for-ai-development/>

### NEW QUESTION 10

- (Exam Topic 2)

Your company wants to reduce how long it takes for employees to log receipts in expense reports. All the receipts are in English.

You need to extract top-level information from the receipts, such as the vendor and the transaction total. The solution must minimize development effort.

Which Azure Cognitive Services service should you use?

- A. Custom Vision
- B. Personalizer
- C. Form Recognizer
- D. Computer Vision

**Answer:** C

### Explanation:

Azure Form Recognizer is a cognitive service that lets you build automated data processing software using machine learning technology. Identify and extract text, key/value pairs, selection marks, tables, and structure from your documents—the service outputs structured data that includes the relationships in the original file, bounding boxes, confidence and more.

Form Recognizer is composed of custom document processing models, prebuilt models for invoices, receipts, IDs and business cards, and the layout model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer>

### NEW QUESTION 15

- (Exam Topic 2)

You have a chatbot that was built by using the Microsoft Bot Framework. You need to debug the chatbot endpoint remotely.

Which two tools should you install on a local computer? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Fiddler
- B. Bot Framework Composer
- C. Bot Framework Emulator
- D. Bot Framework CLI
- E. ngrok
- F. nginx

**Answer:** CE

**Explanation:**

Bot Framework Emulator is a desktop application that allows bot developers to test and debug bots, either locally or remotely.

ngrok is a cross-platform application that "allows you to expose a web server running on your local machine to the internet." Essentially, what we'll be doing is using ngrok to forward messages from external channels on the web directly to our local machine to allow debugging, as opposed to the standard messaging endpoint configured in the Azure portal.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator>

**NEW QUESTION 18**

- (Exam Topic 2)

You are building an Azure WebJob that will create knowledge bases from an array of URLs.

You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.

You need to develop a method to create the knowledge bases.

Which two actions should you include in the method? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a list of FileDTO objects that represents data from the WebJob.
- B. Call the client.
- C. Knowledgebase.
- D. CreateAsync method.
- E. Create a list of QnADTO objects that represents data from the WebJob.
- F. Create a CreateKbDTO object.

**Answer:** AC

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-qnamaker/qnamaker4.0/knowledgebase/create>

**NEW QUESTION 22**

- (Exam Topic 2)

You use the Custom Vision service to build a classifier. After training is complete, you need to evaluate the classifier.

Which two metrics are available for review? Each correct answer presents a complete solution. (Choose two.) NOTE: Each correct selection is worth one point.

- A. recall
- B. F-score
- C. weighted accuracy
- D. precision
- E. area under the curve (AUC)

**Answer:** AD

**Explanation:**

Custom Vision provides three metrics regarding the performance of your model: precision, recall, and AP. Reference:

<https://www.tallan.com/blog/2020/05/19/azure-custom-vision/>

**NEW QUESTION 23**

- (Exam Topic 2)

You are building a bot on a local computer by using the Microsoft Bot Framework. The bot will use an existing Language Understanding model.

You need to translate the Language Understanding model locally by using the Bot Framework CLI. What should you do first?

- A. From the Language Understanding portal, clone the model.
- B. Export the model as an .lu file.
- C. Create a new Speech service.
- D. Create a new Language Understanding service.

**Answer:** B

**Explanation:**

You might want to manage the translation and localization for the language understanding content for your bot independently.

Translate command in the @microsoft/bf-lu library takes advantage of the Microsoft text translation API to automatically machine translate .lu files to one or more than 60+ languages supported by the Microsoft text translation cognitive service.

What is translated?

An .lu file and optionally translate Comments in the lu file LU reference link texts

List of .lu files under a specific path. Reference:

<https://github.com/microsoft/botframework-cli/blob/main/packages/luis/docs/translate-command.md>

**NEW QUESTION 26**

- (Exam Topic 2)

You are developing a webpage that will use the Video Indexer service to display videos of internal company meetings.

You embed the Player widget and the Cognitive Insights widget into the page. You need to configure the widgets to meet the following requirements:

- Ensure that users can search for keywords.
- Display the names and faces of people in the video.
- Show captions in the video in English (United States).

How should you complete the URL for each widget? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
<input type="text" value="en-US"/>	
<input type="text" value="false"/>	
<input type="text" value="people,keywords"/>	
<input type="text" value="people,search"/>	
<input type="text" value="search"/>	
<input type="text" value="true"/>	

**Cognitive Insights Widget**

https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets=  controls=

**Player Widget**

https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions=  captions=

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Graphical user interface, text, application, Word, email Description automatically generated

NEW QUESTION 29

- (Exam Topic 2)

You are using a Language Understanding service to handle natural language input from the users of a web-based customer agent. The users report that the agent frequently responds with the following generic response: "Sorry, I don't understand that." You need to improve the ability of the agent to respond to requests. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose three.)

Actions	Answer Area
<input type="text" value="Add prebuilt domain models as required."/>	
<input type="text" value="Validate the utterances logged for review and modify the model."/>	
<input type="text" value="Migrate authoring to an Azure resource authoring key."/>	
<input type="text" value="Enable active learning."/>	
<input type="text" value="Enable log collection by using Log Analytics."/>	
<input type="text" value="Train and republish the Language Understanding model."/>	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Add prebuilt domain models as required.

Prebuilt models provide domains, intents, utterances, and entities. You can start your app with a prebuilt model or add a relevant model to your app later.

Note: Language Understanding (LUIS) provides prebuilt domains, which are pre-trained models of intents and entities that work together for domains or common categories of client applications.

The prebuilt domains are trained and ready to add to your LUIS app. The intents and entities of a prebuilt domain are fully customizable once you've added them to your app.

Step 2: Enable active learning

To enable active learning, you must log user queries. This is accomplished by calling the endpoint query with the log=true querystring parameter and value.

Step 3: Train and republish the Language Understanding model

The process of reviewing endpoint utterances for correct predictions is called Active learning. Active learning captures endpoint queries and selects user's endpoint utterances that it is unsure of. You review these utterances to select the intent and mark entities for these real-world utterances. Accept these changes into your example utterances then train and publish. LUIS then identifies utterances more accurately.

Reference:  
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-> <https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-prebuilt-model>

NEW QUESTION 30

- (Exam Topic 2)



You are building a Language Understanding model for an e-commerce chatbot. Users can speak or type their billing address when prompted by the chatbot. You need to construct an entity to capture billing addresses. Which entity type should you use?

- A. machine learned
- B. Regex
- C. list
- D. Pattern.any

**Answer: B**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>

**NEW QUESTION 33**

- (Exam Topic 2)

You need to build a chatbot that meets the following requirements:

- > Supports chit-chat, knowledge base, and multilingual models
- > Performs sentiment analysis on user messages
- > Selects the best language model automatically

What should you integrate into the chatbot?

- A. QnA Maker, Language Understanding, and Dispatch
- B. Translator, Speech, and Dispatch
- C. Language Understanding, Text Analytics, and QnA Maker
- D. Text Analytics, Translator, and Dispatch

**Answer: C**

**Explanation:**

Language Understanding: An AI service that allows users to interact with your applications, bots, and IoT devices by using natural language.

QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data. It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Text Analytics: Mine insights in unstructured text using natural language processing (NLP)—no machine learning expertise required. Gain a deeper understanding of customer opinions with sentiment analysis. The Language Detection feature of the Azure Text Analytics REST API evaluates text input

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics/> <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/overview>

**NEW QUESTION 37**

- (Exam Topic 2)

You plan to use a Language Understanding application named app1 that is deployed to a container. App1 was developed by using a Language Understanding authoring resource named lu1.

App1 has the versions shown in the following table.

Version	Trained date	Published date
V1.2	<i>None</i>	<i>None</i>
V1.1	2020-10-01	<i>None</i>
V1.0	2020-09-01	2020-09-15

You need to create a container that uses the latest deployable version of app1.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose three.)

**Actions** **Answer Area**

- Run a container that has version set as an environment variable.
- Export the model by using the Export as JSON option.
- Select v1.1 of app1.
- Run a container and mount the model file.
- Select v1.0 of app1.
- Export the model by using the Export for containers (GZIP) option.
- Select v1.2 of app1.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Export the model using the Export for containers (GZIP) option. Export versioned app's package from LUIS portal  
 The versioned app's package is available from the Versions list page.

- > Sign on to the LUIS portal.
- > Select the app in the list.
- > Select Manage in the app's navigation bar.
- > Select Versions in the left navigation bar.
- > Select the checkbox to the left of the version name in the list.
- > Select the Export item from the contextual toolbar above the list.
- > Select Export for container (GZIP).
- > The package is downloaded from the browser.



Step 2: Select v1.1 of app1.

A trained or published app packaged as a mounted input to the container with its associated App ID. Step 3: Run a contain and mount the model file.

Run the container, with the required input mount and billing settings. Reference:

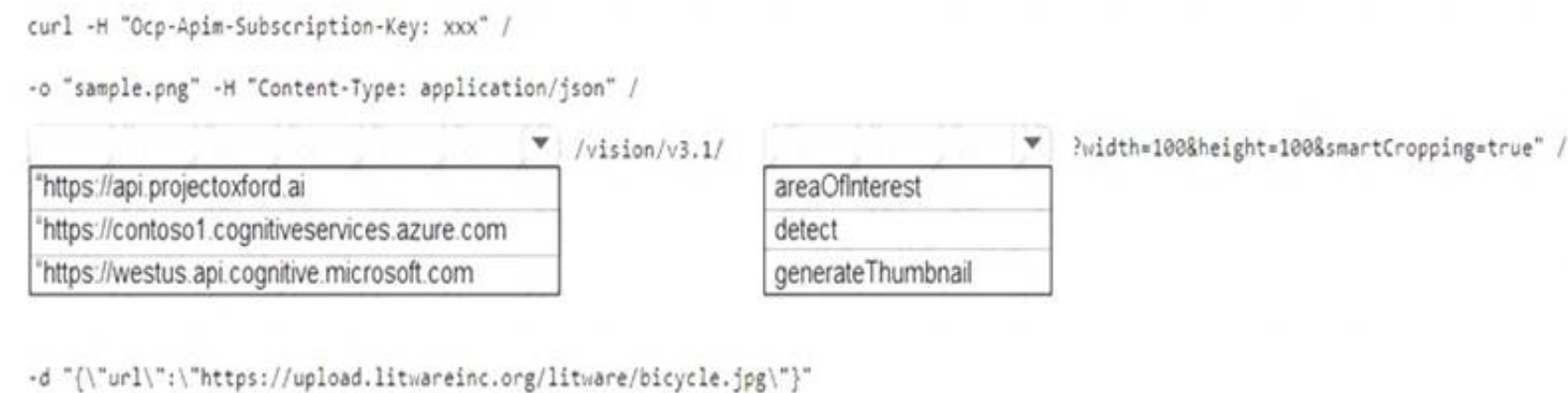
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto>

**NEW QUESTION 42**

- (Exam Topic 2)

You have a Computer Vision resource named contoso1 that is hosted in the West US Azure region.

You need to use contoso1 to make a different size of a product photo by using the smart cropping feature. How should you complete the API URL? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, Word Description automatically generated

Reference:

<https://westus.dev.cognitive.microsoft.com/docs/services/computer-vision-v3-2/operations/56f91f2e778daf14a4> <https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-generating-thumbnails#exam>

**NEW QUESTION 44**

- (Exam Topic 2)

You are developing a service that records lectures given in English (United Kingdom).

You have a method named AppendToTranscriptFile that takes translated text and a language identifier.

You need to develop code that will provide transcripts of the lectures to attendees in their respective language. The supported languages are English, French, Spanish, and German.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

#### Answer Area

```
static async Task TranslateSpeechAsync()
{
    var config = SpeechTranslationConfig.FromSubscription("69cad5cc-0ab3-4704-bdff-afbf4aa07d85", "uksouth");

    var lang = new List<string>
    {
        "en-GB",
        "fr", "de", "es",
        "French", "Spanish", "German"
    };

    config.SpeechRecognitionLanguage = "en-GB";
    lang.ForEach(config.AddTargetLanguage);

    using var audioConfig = AudioConfig.FromDefaultMicrophoneInput();
    using var recognizer = new TranslationRecognizer(config, audioConfig);

    var result = await recognizer.RecognizeOnceAsync();
    if (result.Reason == ResultReason.TranslatedSpeech)
```

- A. Mastered  
B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: {"fr", "de", "es"}

A common task of speech translation is to specify target translation languages, at least one is required but multiples are supported. The following code snippet sets both French and German as translation language targets.

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
    SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    translationConfig.SpeechRecognitionLanguage = "it-IT";
    // Translate to languages. See, https://aka.ms/speech/sttt-languages translationConfig.AddTargetLanguage("fr"); translationConfig.AddTargetLanguage("de");
}
```

Box 2: TranslationRecognizer

After you've created a SpeechTranslationConfig, the next step is to initialize a TranslationRecognizer. Example code:

```
static async Task TranslateSpeechAsync()
{
    var translationConfig =
    SpeechTranslationConfig.FromSubscription(SPEECH SUBSCRIPTION KEY, SPEECH SERVICE REGION);
    var fromLanguage = "en-US";
    var toLanguages = new List<string> { "it", "fr", "de" }; translationConfig.SpeechRecognitionLanguage = fromLanguage;
    toLanguages.ForEach(translationConfig.AddTargetLanguage);
    using var recognizer = new TranslationRecognizer(translationConfig);
}
```

#### NEW QUESTION 49

- (Exam Topic 2)

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named `getTextToBeTranslated`. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



```
...  
var endpoint =  
    "https://api.cognitive.microsofttranslator.com/translate";  
    "https://api.cognitive.microsofttranslator.com/transliterate";  
    "https://api-apc.cognitive.microsofttranslator.com/detect";  
    "https://api-nam.cognitive.microsofttranslator.com/detect";  
    "https://api-nam.cognitive.microsofttranslator.com/translate";  
  
var apiKey = "FF956C68B83B21B38691ABD200A4C606";  
var text = getTextToBeTranslated();  
var body = '[{"Text":"' + text + '"}]';  
var client = new HttpClient();  
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);  
  
var uri = endpoint + "?from=en";  
var uri = endpoint + "?suggestedFrom=en";  
var uri = endpoint + "?to=en";  
  
HttpResponseMessage response;  
var content = new StringContent(body, Encoding.UTF8, "application/json");  
var response = await client.PutAsync(uri, content);  
...
```

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application, email Description automatically generated

**NEW QUESTION 52**

- (Exam Topic 2)

You plan to use containerized versions of the Anomaly Detector API on local devices for testing and in on-premises datacenters.

You need to ensure that the containerized deployments meet the following requirements:

- Prevent billing and API information from being stored in the command-line histories of the devices that run the container.
- Control access to the container images by using Azure role-based access control (Azure RBAC). Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose four.)

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

**Actions**

**Answer Area**

- Create a custom Dockerfile.
- Pull the Anomaly Detector container image.
- Distribute a `docker run` script.
- Push the image to an Azure container registry.
- Build the image.
- Push the image to Docker Hub.

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Step 1: Pull the Anomaly Detector container image.

Step 2: Create a custom Dockerfile

Step 3: Push the image to an Azure container registry.

To push an image to an Azure Container registry, you must first have an image.

Step 4: Distribute the docker run script

Use the docker run command to run the containers. Reference:

<https://docs.microsoft.com/en-us/azure/container-registry/container-registry-intro>

**NEW QUESTION 55**



- (Exam Topic 2)

You have a Custom Vision resource named acvdev in a development environment. You have a Custom Vision resource named acvprod in a production environment.

In acvdev, you build an object detection model named obj1 in a project named proj1. You need to move obj1 to acvprod.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Use the ExportProject endpoint on acvdev.	
Use the GetProjects endpoint on acvdev.	
Use the ImportProject endpoint on acvprod.	⬅️
Use the ExportIteration endpoint on acvdev.	➡️
Use the GetIterations endpoint on acvdev.	
Use the UpdateProject endpoint on acvprod.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/custom-vision-service/copy-move-projects>

**NEW QUESTION 56**

- (Exam Topic 2)

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service. You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenantId
- C. appId
- D. objectId
- E. appSecret

**Answer:** CE

**Explanation:**

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

**NEW QUESTION 61**

- (Exam Topic 2)

You have the following data sources:

- Finance: On-premises Microsoft SQL Server database
- Sales: Azure Cosmos DB using the Core (SQL) API
- Logs: Azure Table storage
- HR: Azure SQL database

You need to ensure that you can search all the data by using the Azure Cognitive Search REST API. What should you do?

- A. Configure multiple read replicas for the data in Sales.
- B. Mirror Finance to an Azure SQL database.
- C. Migrate the data in Sales to the MongoDB API.
- D. Ingest the data in Logs into Azure Sentinel.

**Answer:** B

**Explanation:**

On-premises Microsoft SQL Server database cannot be used as an index data source.

Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure.

Indexers crawl data stores on Azure.

- Azure Blob Storage

- > Azure Data Lake Storage Gen2 (in preview)
- > Azure Table Storage
- > Azure Cosmos DB
- > Azure SQL Database
- > SQL Managed Instance
- > SQL Server on Azure Virtual Machines Reference:  
<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

### NEW QUESTION 63

- (Exam Topic 2)

You are developing a photo application that will find photos of a person based on a sample image by using the Face API.

You need to create a POST request to find the photos.

How should you complete the request? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
detect	POST {Endpoint}/face/v1.0/ <input type="text"/>
findsimilars	Request Body
group	{
identify	"faceId": "c5c24a82-6845-4031-9d5d-978df9175426",
matchFace	"largeFaceListId": "sample_list",
matchPerson	"largeFaceListId": "sample_list",
verify	"maxNumOfCandidatesReturned": 10,
	"mode": " <input type="text" value="matchPerson"/> "
	}

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Box 1: detect

Face - Detect With Url: Detect human faces in an image, return face rectangles, and optionally with faceIds, landmarks, and attributes.

POST {Endpoint}/face/v1.0/detect Box 2: matchPerson

Find similar has two working modes, "matchPerson" and "matchFace". "matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds.

"matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

Reference:

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/detectwithurl> <https://docs.microsoft.com/en-us/rest/api/faceapi/face/findsimilar>

### NEW QUESTION 66

- (Exam Topic 2)

You need to measure the public perception of your brand on social media messages. Which Azure Cognitive Services service should you use?

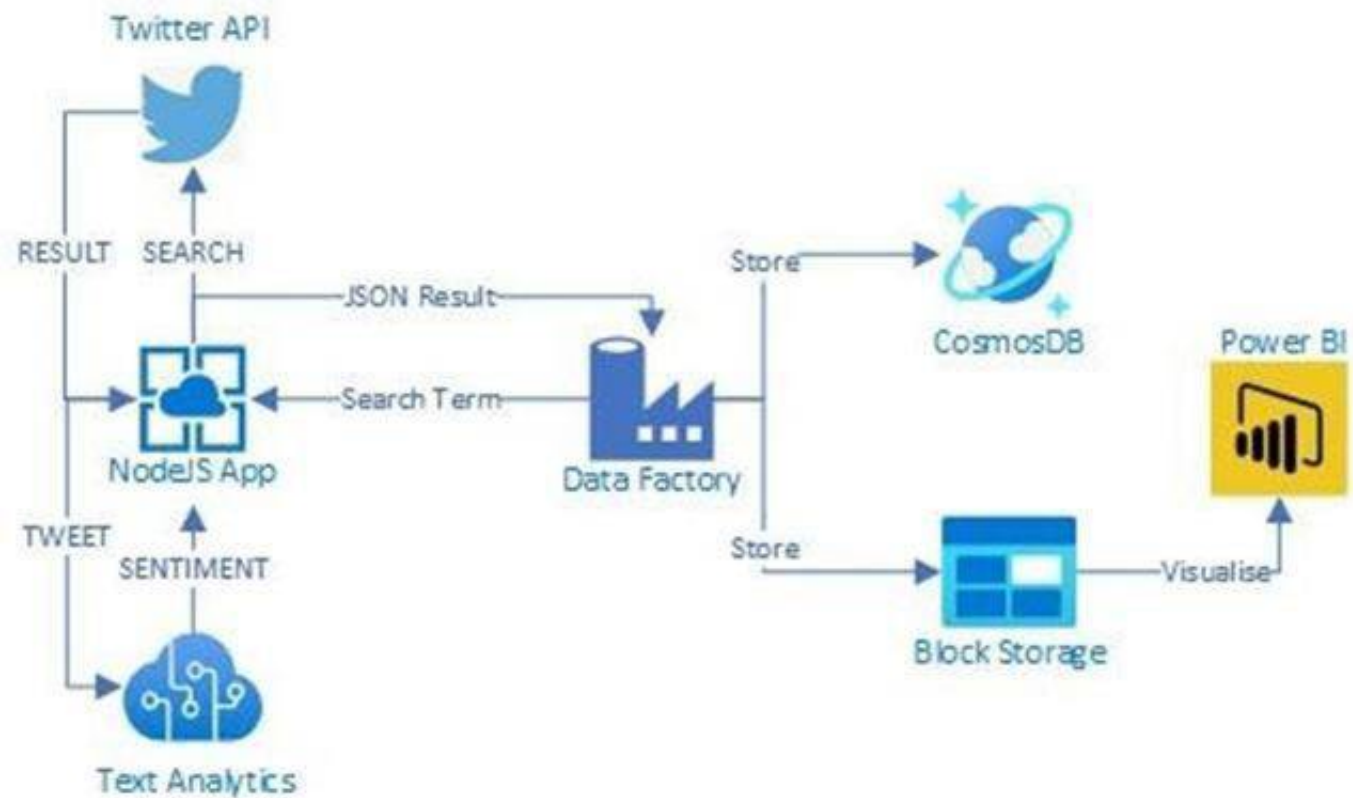
- A. Text Analytics
- B. Content Moderator
- C. Computer Vision
- D. Form Recognizer

Answer: A

#### Explanation:

Text Analytics Cognitive Service could be used to quickly determine the public perception for a specific topic, event or brand.

Example: A NodeJS app which pulls Tweets from Twitter using the Twitter API based on a specified search term. Then pass these onto Text Analytics for sentiment scoring before storing the data and building a visualisation in PowerBI. The Architecture looked something like this:



Reference:  
<https://www.linkedin.com/pulse/measuring-public-perception-azure-cognitive-services-steve-dalai>

**NEW QUESTION 70**

- (Exam Topic 2)  
 Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.  
 After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.  
 You develop an application to identify species of flowers by training a Custom Vision model. You receive images of new flower species.  
 You need to add the new images to the classifier.  
 Solution: You add the new images and labels to the existing model. You retrain the model, and then publish the model.  
 Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**Explanation:**  
 The model needs to be extended and retrained.

**NEW QUESTION 71**

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